

TITLE: MOBILE PHONE CHARGER CHARGED BY BATTERY

BACKGROUND OF THE INVENTION

1. Field of the Invention

The present invention relates to a mobile phone charger charged by
5 battery available all over the world and easy to carry, thereby allows
users to charge their mobile phones anytime and anywhere.

2. Description of the Prior Art

A mobile phone charger charged by battery enables users to charge
their mobile phones at all locations by batteries that they can purchase
10 anywhere. With the present invention, users can charge their mobile
phones anywhere they are.

SUMMARY OF THE INVENTION

Batteries are indispensable for the reception/transmission of
signals and communication of mobile phones. The mobile phones are
15 charged through a charger connecting to the receptacles. If users are
out of homes or camping, they have no access to household power supply
and, therefore, cannot charge their mobile phones. Another problem is
the receptacle. Users find that most countries make their own models
of plugs and cannot charge their mobile phones via the receptacles when
20 they are in foreign countries. These problems really bother mobile phone
users.

The inventor of present invention had studied these problems
thoroughly and hopes that the present invention can help the mobile phone
users across the world.

25 The present invention will be apparent in its contents of technique
after reading the detailed description of the preferred embodiments of

the present invention in reference to the accompanying drawings,
wherein:

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a perspective view showing the structure of present
5 invention;

Fig. 2 is a perspective view showing the circuit structure of present
invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

As shown by Fig. 1 and Fig. 2, there are a central circuit 2 and
10 a battery 3 provided in the charger 1; and the charger 1 connects to
the mobile phone battery 4; thereby allows the battery 3 to transfer
and transmit the electricity to the mobile phone battery 4.

The central circuit 2 consists of a DC stabilization circuit 21,
stabilizer circuit 22, charger circuit 23, charger loop 24, and circuit
15 protector 25. The DC stabilization circuit 21 and stabilizer circuit
22 adjust and stabilize the voltage of battery 3 to the desired level.
The charger circuit 23 and charger loop 24 transmit the stabilized
electricity to the mobile phone battery 4. The circuit protector 25
disconnects the charging automatically as soon as the mobile phone
20 battery 4 is fully charged in order to protect the mobile phone battery
4 from being over-charged and damaged.

When the mobile phone battery 4 is out of electricity, users may
place the battery 3 in the charger 1 and connect the mobile phone battery
4 to the charger 1; then the mobile phone battery 4 will be charged.
25 As soon as the mobile phone 4 is fully charged, the charging stops
automatically.

Apparently, the present invention has the distinctive features as follows:

1. Whenever users have no access to household electricity or receptacles, such as hiking and camping, all they need are batteries
5 and the charger stated in the present invention; then they can charge their mobile phones anytime and anywhere with no restrictions at all.
2. When out of countries, users can charge their mobile phones by
batteries and the charger stated in the present invention anytime
10 and anywhere; without using receptacles made in various models across the world.

In addition to the battery 3, the household DC and car lighter DC are also electricity sources for the charger 1 of present invention. The charger 1 can be used to charge either mobile phone or battery. The
15 charger 1 can be connected to the mobile phone directly; or connected via a signal line.

As stated in the preceding paragraphs, the present invention is free from restrictions and can be used anywhere and anytime and is, therefore, a practical and ideal accessory for mobile phone users.

20 Having thus described my invention, what the inventor claims as new and desire to be secured by Letters Patent of the United States are: